THE SEQUOIA BARK

SEQUOIA & KINGS CANYON NATIONAL PARKS, CALIF.

VOL. SEVEN, NO. 2 JUNE 13-27, 1980

Para aquellos visitantes que no estan familiarizadas con el ingles hay un folleto en espanol disponible en los Centros de Visitas de los Parques.

Deutsche Ubersetzung dieser Parkbroschure mit Karte ist in der Parkcentrale erhaltlich.

WILDFLOWER SPLENDOR

Late June marks the beginning of the wildflower season in the middle-elevation portions of Sequoia and Kings Canyon National Parks.

The first blossoms of spring may appear in Giant Forest and Grant Grove in May, but it takes several more weeks for the flowering season to gain full momentum.

Early summer is the flowering time in the portion of these parks located between 5,000 and 7,000-feet elevations. Later in the summer, lack of moisture becomes a limiting factor, and only damper locations continue to bloom vigorously.

The warmest parts of the Sierra forest are the first to bloom. Generally, in Sequoia and Kings Canyon National Parks, this means south and west slopes, and open, sunny vegetative cover are the first to bloom.

In the Giant Forest, by mid-June, the open, sunny areas of the forest should be alive with the small pink blossoms of the yellow-throated gilia.

This small pink flower, with a yellow center, grows in immense numbers in dry, sandy soils.

Often, the vari-colored monkeyflower blooms with the gilia. This tiny plant can have reddish-purple or yellow blossoms.

Another member of the mid-June flower community on dry slopes is the pussy paws. Growing low to the ground, this small plant produces pinkish blossoms that resemble the foot of a kitten.

Shady forest areas begin their blooming period before June ends. Flowering is less obvious here and few plants dominate a local environment to the degree the yellow-throated gilia dominates certain sunny slopes.

Because shade preserves valuable moisture, shady areas continue to blossom throughout much of the summer.

The first of the shade plants to bloom is generally the scarlet-red snow plant. The first snow plants appear in May and they continue to appear and bloom throughout most of June.

The lack of green color in the snow plant misleads many observers to assume it is a type of fungus. A close look at its flowers will serve to convince it is a true flowering plant.

Since it lacks chlorophyll, the snow plant cannot make its own food material from decaying plant material within the soil.

Another interesting plant of the shade forest, during the early part of the summer, is the woodland star, an elegant, slender plant with fragile and intricate white blossoms.

Numerous other plants in the shade forest are preparing to bloom in late June. These include shinleaf and a type of orchid.

Perhaps the most intense wildflower display of the middle elevation parts of the parks occurs in the swampy meadow areas found between 5,000 and 7,000-feet elevations.

Areas, such as Round, Crescent, Log, Circle and Huckleberry Meadows in the Giant Forest, and Round Meadow at Grant Grove, are the scene of intense wildflower activity.

Meadow flowers usually appear in mid-June and continue into August. The early summer meadow observer enjoys different flowers than does the middle or late-summer visitor.

The first of the summer meadow flowers to appear is the shooting star, a descriptively-named pink blossom with back-turned petals. When closely inspected, it does indeed seem to be a "shooting star."

Other early summer flowers in or near these meadow areas include spiked mallow and deer-weed.

The most exciting flower shows in the meadows are, however, reserved for later summer when corn lilies and cow parsnips bloom. Both of these plants grow to heights in excess of five feet.

Wildflowers are but one small part of the immense natural beauty of Sequoia and Kings Canyon National Parks. Enjoy these flowers by yourself or with a ranger on a conducted walk.

Either way, the memories and photographs you take home after discovering Sequoia's wildflowers will enrich your visit far beyond words.

PACIFIC DOGWOOD is one of the most beautiful trees gracing the middle elevations of these parks. The creamy white flower may be seen in late May and will continue to bloom through June.

PARK SHAKEN UP

The Memorial-Day weekend brought a series of exciting events to Sequoia and Kings Canyon National Parks.

Light snow started falling above the 6,000-feet level on Friday and by Saturday evening over 6 inches had fallen. This was the heaviest Memorial-Day snowfall in more than 20 years.

The snow closed the Generals' Highway between the two parks and stranded many campers.

Sunday morning the snow-covered park was shaken by a relatively strong earthquake.

The quake, which had a rating of 6 on the Richter scale, was centered near Mammoth Lakes on the eastern side of the Sierra.

Despite the fact Mammoth Lakes is well to the north of the parks, the quake had noticeable effects in this vicinity.

Laverne Johns, the Sequoia National Park's postmistress, reported the quake shook the post office strongly enough to knock cups from shelves and upset potted plants. Elsewhere, at Lodgepole, the quake broke water pipes and detached a sink from a wall.

Hikers in Tokopah Valley reported that huge rocks came crashing down during the quake. A car traveling on Highway 180, between Cedar Grove and Grant Grove, was badly damaged by falling rocks.

Numerous aftershocks followed the initial Sunday temblor.

An aftershock at 2:45 p.m. found ranger Jim Carpenter deep inside Crystal Cave with a tour of 150 visitors. During the aftershock, Carpenter reported, a deep low rumble filled the vibrating cave. No cave formations were broken.

Tuesday morning, at 7:51 a.m., another major quake hit the Mammoth area. This quake, registering 6.1, shook the Sequoia and Kings Canyon area even more severely than the Sunday quakes.

Rock slides along Highway 180 destroyed a government vehicle and closed the road for much of the remainder of the day.

State crews had to remove numerous large rocks before travel to Cedar Grove could resume.

Earthquakes can be thought of as growing pains for the Sierra Nevada. Numerous quakes have created the Sierra we enjoy today.

The entire Sierra remains seismically active.

Mammoth last experienced significant activity in 1941. The entire parks region was severely shaken in 1872. Additional quakes are inevitable.

Saving Energy

The increasing cost of energy and transportation costs has a distinct impact on visitor-use patterns in Sequoia and Kings Canyon National Parks.

During the past several years, the total number of persons entering the park on an annual basis has declined by more than 20 percent. Other figures suggest, however, the actual use of the park has not declined. Fewer visitors are coming to these parks, but more are staying for longer periods of time.

The National Park Service is responding to these changing use patterns in several ways. One way is to design interpretive activities, which offer the visitor who stays in the park a number of days a variety of activities. A visitor should be able to stay for several days at a single-park lodge or campground and enjoy a wide variety of activities.

Special efforts will be made this year to have activities begin in the immediate vicinity of campgrounds and lodging areas.

Hopefully, you, the visitor, will be able to enjoy these parks without having to make heavy use of your car.

Indeed, we encourage you to leave your car at your campsite or lodge and explore the parks on foot.

Inside this paper you will find activity schedules detailing opportunities for daytime walks and evening programs in your part of Sequoia and Kings Canyon. Join us for these activities, save energy and money, and make your stay in these parks even more enjoyable.

Dangerous Water

By Pamela Clarke

The crystal clear, fast-moving mountain stream can be a killer.

This beauty is extremely dangerous, even for the most experienced mountain hiker, and should be avoided when possible.

Snow and weather reports kept during the 1979-1980 winter season suggest May and June of this year will witness a heavier-than-average spring runoff in the southern Sierra Nevada.

The State of California estimates the total amount of water released will be approximately 200 percent of the normal runoff.

Children, of course, should never be allowed to play in or near these mountain streams, regardless of the amount of water flow, especially this time of year.

The Kaweah River and its tributaries in Sequoia National Park and the Kings River at Cedar Grove are already swollen with snow melt.

This swift-flowing, icy-cold water, lined with polished granite boulders, provides no handholds and mean possible death to anyone who may fall into them.

The beautiful, but dangerous, water generally claims several victims each year. So please, treat the streams with extreme caution and do not become a tragic statistic.

The Sequoia Bark

Published for park visitors by the Sequoia Natural History Association and the Sequoia and Kings Canyon Hospitality Service. The Sequoia Natural History Association is a non-profit educational organization dedicated to securing and presenting authentic information on the natural and human history of Sequoia and Kings Canyon National Parks in cooperation with the National Park Service.

Sequoia Natural History Association
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Pamela Clarke, Editor

2025.009.0338 a

WHAT'S HAPPENING . . .

Giant Forest — Lodgepole

THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

LODGEPOLE VISITOR CENTER: Open daily 8:00 a.m. to 8:00 p.m. Uniformed personnel on duty to answer your questions. Wilderness permit desk open daily 7:00 a.m. to 8:00 p.m. Campground reservation desk open daily 10:00 a.m. to 9:00 p.m. Telephone (209) 565-3338. Campground reservations may not be made via telephone. Exhibits, publications and maps. Movies about the parks shown every half hour. Visitor Center telephone (209) 565-3364.

CRYSTAL CAVE TOURS

Descend beneath the surface of earth and discover the natural wonders of this marble cavern. Ranger-guided tours begin at the cave entrance each half hour between 10:00 a.m. and 11:30 a.m., and again from 12:30 p.m. until 3:00 p.m. Fifty cents entrance fee. The cave is located 13 miles west of Lodgepole at the end of the Crystal Cave Road. A steep, one-half-mile-long trail connects the cave to the parking area. Allow one hour to get from Lodgepole to the cave entrance.

ACTIVITIES

Friday, June 13

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Relax beneath the stars as ranger Vaughn Folkman presents a special program, "Tooth, Fang and Claw." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Learn the geological story of the Sierra when ranger Jack Stitt presents "Rocks, Glaciers and Running Water." The Lodgepole Amphitheater is adjacent to the dining room.

Saturday, June 14

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:15 p.m. MORO ROCK TRAIL. Explore the heart of the Giant Forest and climb to the summit of Moro Rock. 4 hours, 4 miles. Meet at Round Meadow parking area.

2:00 p.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Discover what draws people to the high country when ranger Harold Basey presents "Wilderness Values." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Enjoy a fascinating history of the giant sequoia. Ranger Norm Allen will present "The Big Tree Story." The Lodgepole Amphitheater is adjacent to the dining room.

Sunday, June 15

8:15 a.m. BIRD WALK. Seek out the varied bird life of the Sierran forests with Ranger Harold Basey. Binoculars will be helpful. The 3-hour, 2-mile hike will meet at Wolverton parking area.

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m. ART TALK. See the wonders of the Sierra Nevada through the eyes of an artist. Meet at the Lodgepole Visitor Center. One hour.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

2:00 p.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

2:30 p.m. ART WALK. Join the park artist in the beauty of the outdoors and share her perceptions of Sequoia Park. Meet at the General Sherman Tree. 2 hours, 1 mile.

2:30 p.m. SOLAR DEMONSTRATION. Soak up the sun while you learn about its effect on living things. Meet at the Lodgepole Visitor Center. 2 hours.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Take a different look at the precious fluid we call water as ranger Ken Horner presents a special program, "Water in the Sierra." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Explore the fascinating relationship of insects and wildflowers. Ranger Ken Cottrell will discuss "Wildflowers and Insects." The Lodgepole Amphitheater is adjacent to the dining hall.

Monday, June 16

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:30 p.m. GIANT FOREST CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Round Meadow parking area. 2 hours, 1 mile.

2:00 p.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. See the story of man in the sequoia region unfold in "A Bit of History." Ranger Bill Tweed will present this special program at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Learn the life cycle and ecology of the "Incomparable Giants" of the Sierra Nevada. Join ranger Jim Carpenter at the Lodgepole Amphitheater, adjacent to the dining hall.

Tuesday, June 17

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

10:00 a.m. ART TALK. See the wonders of the Sierra Nevada through the eyes of an artist. Meet at the Lodgepole Visitor Center. 1 hour.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

2:30 p.m. ART WALK. Join the park artist in the beauty of the outdoors and share her perceptions of Sequoia Park. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the sequoias. Meet at the General Sherman Tree. 1 hour, ½ mile.

5:30 p.m. SUNSET ROCK. Bring wieners, buns, drinks, marshmallows, flashlights, cameras and jackets. Enjoy an evening of singing and stories. Meet at Round Meadow parking area. 3 hours, 1½ miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Join ranger Mary-Anne Carlton as she shares high Sierra backpacking adventures in "Walking with the Wind." Meet at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Experience the many moods of Sequoia and Kings Canyon as Ranger Margaret Kelley presents "Through the Seasons." Meet at Lodgepole Amphitheater, adjacent to the dining hall.

Wednesday, June 18

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the heart of the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:00 p.m. TO THE WASHINGTON. Leave the crowds behind and visit the quiet heart of the Giant Forest. Meet at the Round Meadow parking area. 3 hours, 3 miles.

1:15 p.m. GEOLOGY WALK. Listen to the story the rocks tell about the origin of the Sierra Nevada. Meet at the Round Meadow parking area for this leisurely walk. 3 hours, 1½ miles.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the giant sequoias. Meet at the General Sherman Tree. 1 hour, ½ mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Observe wildflowers of the changing elevations as ranger Jim Carpenter presents "Footsteps into Spring." Meet at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Discover man's and other organisms' place in nature. Join ranger Jack Stitt when he presents "The Ecology Story." Meet at the Lodgepole Amphitheater, adjacent to the dining hall.

Thursday, June 19

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:00 p.m. MORO ROCK TRAIL. Explore the heart of the Giant Forest and climb to the summit of Moro Rock. 4 hours, 4 miles. Meet at Round Meadow parking area.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 to 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the sequoias. Meet at the General Sherman Tree. 1 hour, ½ mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. See the life history of the giant sequoias come alive when ranger Vaughn Folkman presents "Among the Big Trees." Meet at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Discover why and how people travel through the wilderness. Join ranger Ken Horner as he discusses "Freedom of the Hills." Meet at the Lodgepole Amphitheater, adjacent to the dining hall.

9:00 p.m. STAR TALK. Gaze at the stars and ponder the mysteries of the universe. Meet at the Wolverton parking area. 1 hour.

GIANT SEQUOIA

2023.009.03385

SEQUOIA NATIONAL PARK

ACTIVITIES (continued)

Friday, June 20

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:00 p.m. INDIAN TALK. Visit the site of an abandoned Indian encampment and see nearly forgotten skills come alive! Meet at the Round Meadow parking area. 2 hours, ½ mile.

1:30 p.m. EAGLE VIEW-THARP'S LOG. Hike through the sequoias, view spectacular peaks and visit Tharp's Log. Meet at the Crescent Meadow parking area. 3½ hours, 4 miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Watch the life history of Sierra's antlered animals unfold as ranger Harold Basey presents "Discovering Sierra Deer." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Explore the fascinating relationship of insects and wildflowers. Ranger Ken Cottrell will discuss "Wildflowers and Insects." The Lodgepole Amphitheater is adjacent to the dining hall.

Saturday, June 21

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

10:00 a.m. ART TALK. See the wonders of the Sierra Nevada through the eyes of an artist. Meet at the Round Meadow parking area. 1 hour.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

1:30 p.m. ART WALK. Join the park artist in the beauty of the outdoors and share her perceptions of Sequoia Park. Meet at the Round Meadow parking area. 2 hours, 1 mile.

2:00 p.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Experience the many moods of Sequoia and Kings Canyon as ranger Margaret Kelley presents "Through the Seasons." Meet at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Enjoy a fascinating history of the giant sequoia. Ranger Norm Allen will present "The Big Tree Story." The Lodgepole Amphitheater is adjacent to the dining hall.

Sunday, June 22

8:15 a.m. BIRD WALK. Seek out the varied bird life of the Sierran forests with ranger Harold Basey. Binoculars will be helpful. The 3-hour, 2-mile hike will meet at Wolverton parking area.

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at the Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. LODGEPOLE NATURE WALK. Explore the natural systems of Lodgepole Canyon. Meet at the Lodgepole Market for this leisurely 2-hour walk.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:30 p.m. GIANT FOREST CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Round Meadow parking area. 2 hours, 1 mile.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

2:00 p.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

5:30 p.m. SUNSET ROCK. Bring wieners, buns, drinks, marshmallows, flashlights, cameras and jackets. Enjoy an evening of singing and listen to a Kaweah Colonist, portrayed by ranger Vaughn Folkman, tell his story of the first people to claim the Giant Forest for a utopian society. Meet at the Round Meadow parking area. 3 hours, 1½ miles.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Learn the geological story of the Sierra when ranger Jack Stitt presents "Rocks, Glaciers and Running Water." Meet at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Explore some of the overlooked plants and animals in the sequoia region. Join ranger Nancy Muleady when she presents "The Unseen Forest." Meet at the Lodgepole Amphitheater, adjacent to the dining hall.

Monday, June 23

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

9:30 a.m. SOLAR DEMONSTRATION. Soak up the sun while you learn about its effect on living things. Meet at the Lodgepole Visitor Center. 2 hours.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

10:00 a.m. ART TALK. See the wonders of the Sierra Nevada through the eyes of an artist. Meet at the Lodgepole Visitor Center. 1 hour.

1:30 p.m. ART WALK. Join the park artist in the beauty of the outdoors and share her perceptions of Sequoia Park. Meet at the General Sherman Tree. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the giant sequoias. Meet at the General Sherman Tree. 1 hour, ½ mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Explore the fascinating relationship of insects and wildflowers. Ranger Ken Cottrell will discuss "Wildflowers and Insects." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Relax beneath the stars as ranger Harold Basey discusses a park favorite, "Bears." Meet at the Lodgepole Amphitheater, adjacent to the dining hall.

Tuesday, June 24

8:15 a.m. BIRD WALK. Seek out the varied bird life of the Sierran forests with ranger Harold Basey. Binoculars will be helpful. The 3-hour, 2-mile hike will meet at Wolverton parking area.

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the sequoias. Meet at the General Sherman Tree. 2 hour, ½ mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Explore the unique lives of flying creatures as Ranger Mike Cook presents "Wings on High." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Take an intimate look at the high Sierras when ranger Norm Allen presents "Sequoia Vistas." Meet at Lodgepole Amphitheater, adjacent to the dining hall.

Wednesday, June 25

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

10:00 a.m. ART TALK. See the wonders of the Sierra Nevada through the eyes of an artist. Meet at the Lodgepole Visitor Center. 1 hour.

1:15 p.m. TO THE WASHINGTON. Leave the crowds behind and visit the quiet heart of the Giant Forest. See the giant Washington Tree. Meet at the Round Meadow parking area. 3 hours, 3 miles.

1:30 p.m. ART WALK. Join the park artist in the beauty of the outdoors and share her perceptions of Sequoia Park. Meet at the Round Meadow parking area. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the sequoias. Meet at the General Sherman Tree. 1 hour, ½ mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. See the life of Sierra's pioneer naturalist come alive as Ranger Margaret Kelley presents "John Muir's Legacy." Interpreter will be Carl Sharsmith. Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Watch the story of man in the sequoia region unfold in "A Bit of History." Ranger Bill Tweed will present this special program at the Lodgepole Amphitheater, adjacent to the dining hall.

Thursday, June 26

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at the Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. Take a different look at the precious fluid we call water as Ranger Ken Horner presents a special program, "Water in the Sierra." Meet at Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. See the life of Sierra's pioneer naturalist come alive as ranger Margaret Kelley presents "John Muir's Legacy." Interpreter will be Carl Sharsmith. Meet at the Lodgepole Amphitheater, adjacent to the dining hall.

Friday, June 27

8:15 a.m. BIRD WALK. Seek out the varied bird life of the Sierran forests with ranger Harold Basey. Binoculars will be helpful. Meet at the Wolverton parking area. 3 hours, 2 miles.

8:30 a.m. TOKOPAH FALLS. Ascend the Marble Fork of the Kaweah River to a series of beautiful cascades. Meet at the Lodgepole Market. 3½ hours, 4 miles.

9:30 a.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours, 2 miles.

10:00 a.m.-3:00 p.m. CRYSTAL CAVE.

1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 5 through 10. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

2:00 p.m. ENERGY WALK. Soak up the sun while you learn about its effect on living things. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.

3:00 p.m. AROUND THE SHERMAN. Explore the immediate surroundings of the Sherman Tree and learn the story of the giant sequoias. Meet at the General Sherman Tree. 1 hour, ½ mile.

8:30 p.m. LODGEPOLE EVENING PROGRAM. See the life history of the giant sequoias come alive when ranger Vaughn Folkman presents "Among the Big Trees." Meet at the Lodgepole Campground Amphitheater.

8:30 p.m. GIANT FOREST LODGE EVENING PROGRAM. Discover the adventuresome life of the "Sierra Club Woman" as ranger Margaret Kelley presents a special program at the Lodgepole Amphitheater, adjacent to the dining hall.

SELF-GUIDING TRAILS

CONGRESS TRAIL: Hike through the heart of the world's best sequoia grove on this easy, two-mile loop trail. See the famous President and McKinley Trees. Pamphlet available at beginning of trail or at Lodgepole Visitor Center.

HAZELWOOD NATURE TRAIL: Enjoy the graceful sequoias of the Hazelwood Basin on this easy one-mile loop trail which begins adjacent to the Giant Forest Lodge. Trailside exhibits tell the story of the forest.

YUCCA, or sometimes called, "Our Lord's Candlestick," may be seen blooming at lower elevations of the park from April into June. After the Yucca flowers and produces fruit it will die.

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What's happening . . . Sequoia National Park

MINERAL KING AREA

THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

MINERAL KING RANGER STATION: Information, wilderness permits, books, and maps. First Aid. Telephone Mineral King Number 1.

ACTIVITIES

Saturday, June 14

8:00 p.m. MINERAL KING CAMPFIRE: Join ranger John Satnat for a fireside talk about Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. 1 hour.

Sunday, June 15

No Activities.

Monday, June 16

No Activities.

Tuesday, June 17

No Activities.

Wednesday, June 18

1:00 p.m. WHAT IT'S ALL ABOUT. Introduce yourself to the beauties of Mineral King. Meet at the ranger station for this easy guided walk, which explores the natural and human stories that have made Mineral King the place it is today. 2 hours, 2 miles.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger John Satnat for a fireside talk about Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows.

Thursday, June 19

1:00 p.m. ASPEN FLAT: Explore the friendly meadows and vistas of upper Mineral King Valley. Visit a soda spring. Meet at the Ranger Station for this easy walk. We will form car pools to travel to the trailhead. 3 hours, 3 miles.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger Marlene Butler for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

Friday, June 20

1:00 p.m. INDIANS! Explore the fascinating remnants of a vanished people. Meet at the Ranger Station for this easy walk. 2 hours, 1 mile.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger John Satnat for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

Saturday, June 21

1:00 p.m. WHAT IT'S ALL ABOUT. Introduce yourself to the beauties of Mineral King. Meet at the Ranger Station for this easy walk which explores the natural and human stories that have made Mineral King the place it is today. 2 hours, 2 miles.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger John Satnat for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

Sunday, June 22

1:00 p.m. ASPEN FLAT. Explore the friendly meadows and vistas of upper Mineral King Valley. Visit a soda spring. Meet at the Ranger Station for this easy walk. We will form car pools to travel to the trailhead. 3 hours, 3 miles.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger Marlene Butler for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

Monday, June 23

1:00 p.m. LET'S TALK GEOLOGY. Discover the fascinating story of Mineral King's rocks. Meet at the Ranger Station for this easy stroll. 2 hours, ½ mile.

8:00 p.m. MINERAL KING CAMPFIRE. Join ranger Marlene Butler for a fireside talk about the Mineral King area. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

Tuesday, June 24

No Activities.

Wednesday, June 25

1:00 p.m. WHAT IT'S ALL ABOUT. Introduce yourself to the beauties of Mineral King. Meet at the Ranger Station for this easy guided walk which explores the natural and human stories that have made Mineral King the place it is today. 2 hours, 2 miles.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger John Satnat for a fireside talk about Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

Thursday, June 26

1:00 p.m. SPRING CREEK. Explore the mystery of where Spring Creek gets its water and learn about how Mineral King energy is used. Meet at the Ranger Station for this short but strenuous climb. We will form car pools for travel to the trailhead. 2 hours, 1 mile.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger Nancy Fuller for a fireside talk about Mineral King. The campfire circle is adjacent to the Mineral King Ranger Station. Bring marshmallows. 1 hour.

Friday, June 27

1:00 p.m. SILVER! Trace the search for the precious metals of Mineral King and the history of the searchers. Meet at the Ranger Station for this easy walk. 2 hours, 2 miles.

8:00 p.m. MINERAL KING CAMPFIRE. Join Ranger Marlene Butler for a fireside talk about Mineral King. The Mineral King Campfire Circle is adjacent to the Ranger Station. Bring marshmallows. 1 hour.

FOXTAIL PINE — The world's largest Foxtail pine stands near Timber Gap on the northern edge of the Mineral King Basin. This pine is a close relative of the oldest tree, Bristlecone pine.

King's Icy Mood

By Bill Tweed

Mineral King — the very name is synonymous with ice and snow. In no other part of Sequoia National Park has man battled the winter elements so persistently.

During the 1870s, miners developed the Mineral King area with mines, roads, sawmills and homes. Inevitably, these fragile human artifacts fell victim to avalanches and blizzards. Even today, the Mineral King Valley shows the summer visitor numerous examples of winter destruction. Broken trees, shattered rocks and crushed buildings are not uncommon.

During the summer of 1979, I had the pleasure of being a part of the ranger staff assigned to this fascinating area. By the end of the summer I had resolved I would see Mineral King in its other character. I would visit Mineral King during deep snow.

Last February the time seemed ripe to make such a trip. Late December and mid-January storms had laid down a substantial snowpack throughout the southern Sierra and the weather forecast called for fair weather in the coming week.

Our journey into this forgotten winter corner of the park began by truck. The lower parts of the 100-year-old Mineral King road clearly showed the destructive effects of the heavy mid-January storms. Numerous washouts and small rock slides slowed our progress.

The last 3 weeks had been warm and little snow remained below the 6,500-feet level. Using caution, we were able to coax our truck nearly to Cabin Cove. We proceeded on foot, carrying our skis past Silver City and Weishar's Flat. The snow patches soon came closer together and by the time we reached the lower lip of Mineral King Valley we were traveling on cross-country skis.

It was snowing. Stray snowflakes had begun to appear out of a dull gray sky. As we passed Silver City, a light, but steady, snowfall had commenced.

At the lower end of Mineral King Valley, Ranger Tom Tschohl and I opened the shuttered ranger station and lighted a fire. While we ate lunch and unpacked, two inches of snow fell.

We spent the afternoon skiing to Aspen Flat, at the upper end of the valley.

The snow persisted. By 4:00 p.m. the new snow was 6 inches deep and visibility had dropped to several hundred yards.

The barren openness of Mineral King Valley impressed us as we skied over 4 to 6 feet of hard-packed snow.

In summer, these open flats are filled with flowers and small trees, while the lower slopes of the valley walls are textured with bands of reddish, mineral-stained rock.

But on that snowy February afternoon, the color and textures of summer were absent. Only an occasional tree broke the smooth texture of the accumulating snow.

We visited the carbonate mineral springs at the head of the valley. Their reddish stains contrasted with the snow.

By the time we got back to the ranger station, a storm wind was beginning to whip the snow across the valley floor.

Several times during the dark snowy evening, we crept out into the dark storm to seek our own weather forecast. Each time we were glad to return to the cabin, with its crackling pine fire.

Morning found a foot of snow coating the world outside our half-buried cabin. Our original plan had been to ski up into the high basins on the western side of the valley.

After a short breakfast discussion, we concluded to attempt this route despite the continuing storm.

The ascent to Mosquito Creek was tedious. Despite the snow and wind, we perspired heavily as we climbed.

The going became harder as we reached areas where the snow had not settled after previous storms. In the 3-feet-deep powder our skis sank all too deeply.

After several hours we climbed yet another steep bluff and broke out of the trees onto the open, snow-covered surface of Mosquito Lake Number One. We were well over 9,000 feet.

Here the storm threw more weight on us. Mosquito Lake is only about 500 feet in diameter, yet its far shore was hidden behind a swirling white curtain.

Cautiously, we felt our way around the perimeter of the lake. Skiing steadily became more difficult.

The flat white light hid mounds and holes in the snow. Had I not visited the lake in summer, I would not have recognized the site.

From the lake, we made our way over Miner's Ridge. Thick timber stands cut the wind on the south side. As we descended the north side into Eagle Canyon, the terrain opened again.

Down we plunged, skiing erratically through 2 feet of fresh powder. The poor light hid numerous obstacles that sent us spilling.

We attempted a lunch break, in a dense clump of Lodgepole pines, near Eagle Creek. But the wind and blowing snow gave us little incentive to relax.

Clearly, the time had come to return to the valley. Our original plan called for continuing our ski tour into White Chief Canyon, but the rapidly accumulating, unstable snow held considerable avalanche promise.

We had accomplished our goal. We had seen the high basins of Mineral King at their worst. To remain longer was to magnify our risks considerably.

So down Eagle Creek we plunged. Soon we found ourselves on the rim of the main valley on slopes too steep to ski directly. Traversing back and forth, we made our way down into the bloom of the snow-filled void.

A few minutes of anxious skiing brought us to the valley flats. Another half hour and we were back at the cabin.

By the following morning the storm had largely blown itself out. Nearly 3 feet of pristine powder rested on top of the icy January snowpack.

There was no question now of returning to the upper valley. A snowfall of this depth was more than adequate to activate Mineral King's notorious avalanche chutes.

It was time to go home. We had seen Mineral King in winter. Even in summer, neither of us would ever see Mineral King in quite the same way again.

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What's happening . . . Kings Canyon National Park

GRANT GROVE AREA

THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

GRANT GROVE VISITOR CENTER: Open daily 8:00 a.m. to 8:00 p.m. Information, exhibits, publications, maps and a free orientation slide program. Telephone (209) 335-2315.

NOTE: To conserve energy, car pools will be formed, at the Grant Grove Amphitheater, for transportation to the trailheads. The parking area is located near the entrance to Sunset Campground.

ACTIVITIES

Saturday, June 14

10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See an Acorn Cooking Demonstration. Meet at Grant Grove Amphitheater.
1:00 p.m. DEAD GIANT MYSTERY. A short easy walk with lots of surprises. 2½ hours, 1 mile.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See an Acorn Cooking Demonstration. Meet at Grant Grove Amphitheater.
8:30 p.m. CONQUEST OF THE GIANTS: A motion picture discussing the logging of the Sequoia and the eventual development of parks to protect them. Meet at the Grant Grove Amphitheater.

Sunday, June 15

10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See how plants are used in basket making. Meet at the Grant Grove Amphitheater.
1:00 p.m. TREES AND TIMBER. A discussion of the ecology and logging history of the Giant Sequoia. 2½ hours, 1 mile.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See how plants are used in basket making. Meet at the Grant Grove Amphitheater.
8:30 p.m. INSECTS WOW! Stories about insects, their effect upon man and the forest. Meet at Grant Grove Amphitheater.

Monday, June 16

1:00 p.m. NORTH GROVE LOOP. A walk through the seldom visited north portion of Grant Grove. 2-3 hours, 2 miles.
8:30 p.m. A QUESTION OF QUALITY. A motion picture which discusses the fragile park environments and the ever-increasing numbers of people who seek to enjoy them. Meet at the Grant Grove Amphitheater.

Tuesday, June 17

9:00 a.m. ROCKS AND FALLING WATER: A walk along a stream, plus some nice surprises. 3 hours, 2 miles.
8:30 p.m. CONQUEST OF THE GIANTS: A motion picture which discusses the logging of Sequoias, and the eventual development of parks to protect them. Meet at Grant Grove Amphitheater.

Wednesday, June 18

10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
8:30 p.m. FOR ALL TO ENJOY. A motion picture discussing the unique qualities of the national parks. Meet at the Grant Grove Amphitheater.

Thursday, June 19

10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
1:00 p.m. TREES OR TIMBER? A discussion of the ecology and logging history of the Giant Sequoia. 2½ hours, 1 mile.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
8:30 p.m. AGE OF ALASKA. A motion picture dealing with the natural wonders of America's last wilderness. Meet at the Grant Grove Amphitheater.

Friday, June 20

9:00 a.m. DEAD GIANT. A walk to an overlook, the giant and a meadow. Lots of surprises. 2½ hours, 1 mile.
10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
8:30 p.m. WILDFLOWERS OF THE SIERRA. Discover the distribution of flowers in the Sierras and some interesting stories about individual flower types. Meet at the Grant Grove Amphitheater.

Saturday, June 21

9:00 a.m. PANORAMIC VISTAS. A beautiful walk along a mountain ridge, offering excellent views of backcountry. 3 hours, 2 miles. Meet at Grant Grove Amphitheater.
10:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See an Acorn Cooking Demonstration. Meet at the Grant Grove Amphitheater.
1:00 p.m. SEQUOIAS GALORE! A walk into Redwood Canyon where Sequoia ecology will be discussed. 3 hours, 2 miles. Note: 2 miles of bumpy road. Meet at the Grant Grove Amphitheater.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See an Acorn Cooking Demonstration. Meet at the Grant Grove Amphitheater.
8:30 p.m. A MATTER OF TIME. A motion picture which discusses the development of the world's environment and the very delicate systems of checks and balances in them. Meet at the Grant Grove Amphitheater.

Sunday, June 22

10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See how plants are used in basket making. Meet at the Grant Grove Amphitheater.
1:00 p.m. TREES OR TIMBER? A discussion of the ecology and logging history of the Giant Sequoia. 2½ hours, 1 mile.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians. See how plants are used in basket making. Meet at the Grant Grove Amphitheater.

DOUGLAS PHLOX — The showy flowers of this dense green mat may be seen blooming in April and they will continue to bloom into June. Flowers range in color from lavender to pink to white.

8:30 p.m. TWO FINGERS OF REDEYE. A close look at the early day logger and teamster; their life and times. Meet at the Grant Grove Amphitheater.

Monday, June 23

9:00 a.m. NORTH GROVE LOOP. Walk through the seldom-visited north portion of Grant Grove. 2-3 hours, 2 miles. Meet at Grant Grove Amphitheater.
1:00 p.m. ROCKS AND FALLING WATER. A walk along a stream where the forest community will be discussed. 3 hours, 2 miles. Meet at the Grant Grove Amphitheater.
8:30 p.m. A QUESTION OF QUALITY. A motion picture which discusses the fragile park environments and the ever-increasing numbers of people who seek to enjoy them. Meet at the Grant Grove Amphitheater.

Tuesday, June 24

1:00 p.m. DIM TRAIL WALK. A walk with no trail leading to a beautiful overlook with a 360° view! 3 hours, 1 mile.
8:30 p.m. FOR ALL TO ENJOY. A motion picture discussing the unique qualities of the national parks. Meet at the Grant Grove Amphitheater.

Wednesday, June 25

9:00 a.m. TREES OR TIMBER? A discussion of the ecology and logging history of the Giant Sequoia. 2½ hours, 1 mile.
10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
8:30 p.m. AGE OF ALASKA. A motion picture dealing with the natural wonders of America's last wilderness. Meet at the Grant Grove Amphitheater.

Thursday, June 26

10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
8:30 p.m. NATURE'S CAROUSEL. Look at the cycles of nature and their impact on living things. Meet at the Grant Grove Amphitheater.

Friday, June 27

9:00 a.m. PANORAMIC VISTAS. A beautiful walk along a mountain ridge, offering excellent views of the backcountry. 3 hours, 2 miles.
10:00 a.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
1:00 p.m. ROCKS AND FALLING WATER. A walk along a stream, plus some nice surprises. 3 hours, 2 miles. Meet at the Grant Grove Amphitheater.
2:00 p.m. INDIAN LIFE. Meet and talk with Barbara and Gladys as they relate stories of the Western Mono Indians' village life. Meet at the Grant Grove Amphitheater.
8:30 p.m. THE LONGEST SPRING. A slide program featuring the colorful flowers of the Sierra Nevada. Meet at the Grant Grove Amphitheater.

Falling Mist

By Pamela Clarke

No mercy is given to anything, which might stand in its way, as the South Fork of the Kings River violently rushes through the Kings Canyon.

The speed and force of the water suggests the river is in an urgent race to reach its destiny in the California lowlands.

A 5-mile hike may be taken along the river, which begins at Roads End in the Kings Canyon National Park.

As you take a moment and stop along the trail to watch the Kings River in its rapid descent, a recognition of your mortal weakness becomes apparent when you compare yourself to the angry river.

Watching the river and understanding its journey you may begin to give it the respect it truly deserves.

The river is not the only beauty of the canyon. The entire scene is canopied by brilliant blue skies and the sides are bordered with 2,000-feet glacier-scoured granite walls.

Spectacular snow-covered mountains may be seen to the north and south. Just over your shoulder you may view the abrupt rise of Avalanche Peak.

The gentle trail is lined with incense cedars, California black oaks and sugar pines. If you venture to examine closer to the ground, you might see the colorful flowers of the pussy paws and miner's lettuce.

Suddenly, your appreciation of nature's beauty is interrupted by a cool sensation of moisture.

And there, hidden behind a mass of incense cedars is a great cloud of white mist. The spray is so dense it is almost impossible to see the culprit of the delicate cloud of moisture, "Mist Falls."

All vegetation near the falls is drenched with a spray, which forms water droplets that become so heavy they are pulled to the moist soil.

And as you walk along the trail and view the falls from a side angle, a double rainbow may be seen.

A bit of wonder may touch you when you realize the same force, which seems so frightening in the river, has also created this delicate beauty.

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What's happening . . . Kings Canyon National Park

CEDAR GROVE AREA

THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

CEDAR GROVE RANGER STATION: Open daily 8:00 a.m. to 8:00 p.m. Books, maps, wilderness permits and first aid available. All Cedar Grove wilderness permits must be obtained at the ranger station. Exhibits nearby. Telephone — Cedar Grove No. 6.

ACTIVITIES

Saturday, June 14

10:00 a.m. **HOTEL CREEK WALK.** Hike up Hotel Creek 2 miles and explore the geology and ecology of the Kings River Canyon. Meet at Cedar Grove Ranger Station. 2-3 hours.

1:00 p.m. **DON CECIL WALK.** Hike up the Don Cecil Trail and explore the flora and fauna of the yellow pine forest. 2-3 hours.

8:00 p.m. **EVENING CAMPFIRE PROGRAM.** Topic to be announced at the Cedar Grove Ranger Station. Meet at the Amphitheater. 1½ hours.

Sunday, June 15

7:00 a.m. **MORNING BIRD WALK.** Discover many of our feathered friends inhabiting the Roads End and Zumwalt Meadow area. Meet at Roads End. 2 hours.

10:00 a.m. **LEWIS CREEK WALK.** Join a naturalist and explore the north slope of the Kings Canyon. Meet at the Ranger Station. 2-3 hours.

1:00 p.m. **ZUMWALT MEADOW WALK.** Explore Zumwalt Meadow in the heart of the Kings Canyon. Discover forest and streamside environments nestled beneath steep canyon walls. Meet at the Ranger Station. 2 hours.

Monday, June 16

Activities will be announced at the Cedar Grove Ranger Station.

Tuesday, June 17

Activities will be announced at the Cedar Grove Ranger Station.

Wednesday, June 18

Activities will be announced at the Cedar Grove Ranger Station.

Thursday, June 19

Activities will be announced at the Cedar Grove Ranger Station.

Friday, June 20

10:00 a.m. **DON CECIL WALK.** Hike up the Don Cecil Trail and explore the flora and fauna of the yellow pine forest. 2-3 hours.

1:00 p.m. **ZUMWALT MEADOW WALK.** Join a naturalist for a leisurely walk around Zumwalt Meadow. Discover forest, meadow and streamside environments. 2-3 hours.

8:00 p.m. **EVENING CAMPFIRE PROGRAM.** Topic to be announced at the Cedar Grove Ranger Station. 1½ hours.

Saturday, June 21

7:00 a.m. **ROADS END WALK.** Birding in the early morning at Roads End and Zumwalt Meadow Area. Meet at the Roads End. 2 hours.

10:00 a.m. **HOTEL CREEK WALK.** Hike up Hotel Creek 2 miles and explore the geology and Grove Ranger Station. 2-3 hours.

1:00 p.m. **DON CECIL WALK.** Hike up the Don Cecil Trail and explore the flora and fauna of the yellow pine forest. 2-3 hours.

8:00 p.m. **EVENING CAMPFIRE PROGRAM.** Topic to be announced at the Cedar Grove Ranger Station. 1½ hours.

Sunday, June 22

7:00 a.m. **BIRD WALK.** Birding in the early morning at Roads End and Zumwalt Meadow Area. Meet at Roads End. 2 hours.

10:00 a.m. **LEWIS CREEK WALK.** Join a naturalist and explore the north slope of the Kings Canyon. Meet at the Ranger Station. 2-3 hours.

1:00 p.m. **ZUMWALT MEADOW WALK.** Explore Zumwalt Meadow in the heart of the Kings Canyon. Discover forest and streamside environments nestled under steep canyon walls. Meet at the Cedar Grove Ranger Station. 2-3 hours.

INCENSE CEDAR — Commonly found in the lower elevations of the California mountains, it is often mistaken for the giant sequoia. Most prefer the western slopes between approximately 3,500 and 6,500 feet.

Close, But No Sequoia

The lacy foliage and bright cinnamon-brown bark of the incense cedar leads many a visitor to mistake it for the giant sequoia.

Although they share some characteristics, such as reddish bark, heavily-buttressed trucks and scaly leaves, a closer look will solve any confusion.

Some incense cedars may grow to be quite large — six feet thick and 150 feet in height — but they are miniature trees by sequoia standards.

Both trees employ a triangular shape in their first century or two of growth, but the young incense cedar has a much broader silhouette.

One of the most distinct differences may be seen when comparing the trees' foliage.

Incense cedar boughs are composed of bright green, scale-like leaves, which have a flattened appearance.

The deeper green, cord-like twigs of the giant sequoia spread like awls from the branchlets.

While bark color is similar, the sequoia tends to have a rich, reddish-brown bark as opposed to the cinnamon color of the incense cedar.

The reproductive bodies of these trees can hardly be confused.

Incense cedar cones consist of two broad, flat, seed-bearing scales.

This one-inch-long cone is quite a contrast to the cone of the "big tree," which is the shape and size of the average hen's egg.

Unlike the giant sequoia, the incense cedar is one of the most common trees found in the mountains of California.

But since you, the visitor, are fortunate enough to be in an area where both are growing in harmony, an observant eye must be employed to distinguish between these two beautiful trees.

LOST AND CONFUSED

Have you ever been lost? Of course you have!

Everyone has been lost at one time or another in a department store, a parking lot or perhaps in the mountains — a more serious situation.

With six major trailheads, Cedar Grove is a mecca for outdoor enthusiasts. There are plenty of opportunities for the unwary to become lost, injured or both.

Every summer in Kings Canyon, someone gets lost while hiking or seriously injured when climbing on slippery rocks.

Such an occurrence causes grief and worry for the involved family, as well as risk and expense for the ranger.

Fortunately, neither has to happen if some simple precautions are taken.

Think ahead and do not get caught in a situation you cannot get out of yourself.

By using common sense and following a few simple rules, like not hiking alone, informing friends of your itinerary and carrying the proper equipment, you are keeping the risks to a minimum.

The most commonly lost victims are children. It is an almost daily occurrence in Cedar Grove for distraught parents to rush to the ranger station announcing the disappearance of their progeny.

This is exactly what you should do.

The first question the ranger will ask is, "How old is your child?"

Older children and adults, quite often, just have lost track of time and show up not even realizing they were lost.

If the missing person is a young child, the situation calls for a more immediate search.

It is important to be able to describe the lost person in detail, such as: clothing and personality description and the last place they were seen.

A quick search of the campground area almost always finds the child in the wrong comfort station or campsite.

What should you do if you are that lost person?

First of all, admit to yourself that you are lost and assess your situation.

If you can relax, someone will be out looking for you soon. Do not complicate the search. Stay in the same area. Try to stay in an open area where your chances of being seen are greater. One handy item to always have with you is a whistle.

The shrillness of a whistle will carry much farther and take less energy than your voice and a whistle will not get hoarse.

Searching for lost persons is only one aspect of a park ranger's job. Rescuing those in trouble is another.

The two most hazardous environments, in Cedar Grove, are the steep cliffs and the Kings River.

This year especially, the current in the Kings is strong enough to sweep unsuspecting fishermen and swimmers off their feet and carry them helplessly downstream.

The sheer canyon walls may look inviting to novice climbers, but the risk of injury for those not properly equipped or experienced is always present.

Rescue techniques for these situations are involved and often hazardous for the rangers attempting to help the victim.

Quite often, the added expense of calling in more experienced people and technical equipment, such as helicopters, is necessary.

In most cases the need for search and rescue can be avoided if a person simply uses proper caution and good judgment.

Will that person be you?

8:00 p.m. **EVENING CAMPFIRE PROGRAM.** Topic to be announced at the Cedar Grove Ranger Station. Meet at the Amphitheater. 1½ hours.

Monday, June 23

Activities will be announced at the Cedar Grove Ranger Station.

Tuesday, June 24

Activities will be announced at the Cedar Grove Ranger Station.

Wednesday, June 25

Activities will be announced at the Cedar Grove Ranger Station.

Thursday, June 26

Activities will be announced at the Cedar Grove Ranger Station.

Friday, June 27

10:00 a.m. **ZUMWALT MEADOW WALK.** Explore Zumwalt Meadow in the heart of the Kings Canyon. Discover forest, meadow and streamside environments. Meet at the Cedar Grove Ranger Station. 2-3 hours.

1:00 p.m. **DON CECIL WALK.** Hike up the Don Cecil Trail and explore the flora and fauna of the yellow pine forest. Meet at the Cedar Grove Ranger Station. 1½ hours.

8:00 p.m. **EVENING CAMPFIRE PROGRAM.** Topic to be announced at the Cedar Grove Ranger Station. Meet at the Amphitheater. 1½ hours.

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HEAVY SNOW DELAYS BACKPACKING SEASON

Far above average snowfall, during the winter of 1979-1980, is delaying the opening of the 1980 backpacking season in Sequoia and Kings Canyon National Parks. An intense storm system during January and February blanketed the high country with heavy snowpack.

Lodgepole, located in Sequoia National Park at an elevation of 6,700 feet, received over 29 inches of precipitation during January. Much of this precipitation fell as rain at Lodgepole, but above 9,000 feet these heavy storms produced snow.

The State of California estimates each of the three major river systems heading in Sequoia and Kings Canyon will produce far above average runoff this summer. The Kings and Kaweah rivers, which drain the western halves of the two parks, will produce 192 percent and 226 percent of normal runoff, respectively. The Kern River, in the eastern half of Sequoia, will produce runoff equaling 235 percent of normal.

Due to this large amount of snow, backcountry trails will be very slow opening this year. Heavy snow will blanket almost all areas above 9,000 feet until late June. During July, the backcountry will begin to open, although the higher passes will continue to have snow in August on their northern slopes. Some passes may not melt out this summer.

Because of these snow conditions, late June hiking opportunities are limited mainly to middle-elevation areas. In Kings Canyon National Park, the best trails at this time are in the Bubbs Creek and Paradise Valley and Woods Creek areas. Trails in these canyons should be passable up to the 9,000-feet level, with only patchy snow. The basins and passes located above 9,000 still have heavy snow. The high basins north of Cedar Grove, including Granite Basin, also hold heavy snow. Lower Tent Meadow and Frypan Meadow are open for camping.

In the southern part of Kings Canyon, hikers may want to consider visiting the Sugarloaf Valley country or Redwood Canyon.

In Sequoia, hiking is also limited by snow. The High Sierra Trail, out of Giant Forest, is largely free of snow for the first ten miles, although stream crossings can be a problem. The Pear Lake and Twin Lakes areas still have heavy snow. In the Mineral King area, all the higher basins retain deep snow. Trails from Atwell Mill, however, are in better condition. The Atwell-Hockett Meadow trail is usually a good late-June hike.

Wherever you decide to go, remember early summer hiking this year is dangerous, if you are not careful. The Kings River Canyon area, in particular, contains very dangerous streams. Do not cross snow-melt swollen streams that appear dangerous. If they look dangerous, they undoubtedly are. Remember that snow-melt streams rise and fall with the temperature. A stream that is dangerous in the afternoon may be safely crossed the following morning.

Remember, early season middle-elevation hiking puts you in bear country! When you check in for your wilderness permit, prior to beginning your trip, you will receive specific information regarding proper wilderness food storage techniques.

Keep in mind if you wish to make a wilderness trip in Sequoia and Kings Canyon during the next few weeks, you cannot plan on enjoying normal summer hiking conditions. Get good information before you start and use more than ordinary caution once you are on the trail. If you do, it is likely your trip will be an enjoyable one.

SNOW IN THE HIGH COUNTRY — This snowy scene overlooks Hamilton Lake. The High Sierra Trail, which leads to this and many other mountain lakes, remains largely covered in heavy snow. The higher-elevation trails are expected to be passable sometime in late June.

Watch Out For That Bear

By Pamela Clarke

Although the American black bear may appear cute, cuddly and somewhat clumsy at times, he is a mastermind at breaking into food coolers, garbage cans and cars.

In the process, the park bears destroy thousands of dollars in property each year in the Sequoia and Kings Canyon National Parks.

Bears are attracted to campgrounds by food odors, caused by improper food storage.

The cleverness of this animal makes it necessary for campers and backpackers to take extra precautions when storing food.

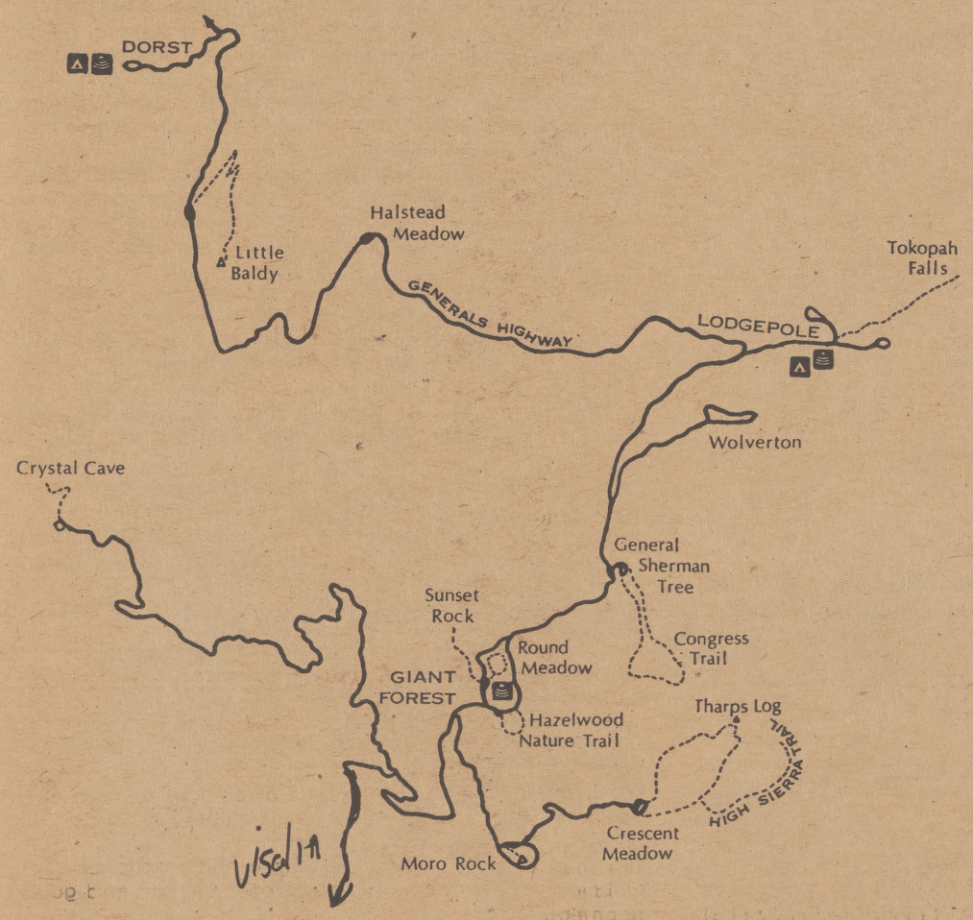
Food should be kept in odor-tight containers in the trunk of your car or between the car seats, and all windows should be rolled up completely.

This keen mammal can also recognize the ice chest as a food container. The shape of the cooler may be disguised by placing blankets or coats over the top.

All garbage must be placed in the bear-proof cans provided in the park and all dishes should be washed and stored immediately after use.

Backpackers must also take extra care in protecting their food and equipment. Information may be obtained by hikers on proper food storage when they receive their wilderness permits from the visitors' centers.

Taking the extra time to store food properly protects the visitor's belongings and safety, and aids in keeping the American black bear the naturally wild animal it should be.



NEW NPS DIRECTOR

Secretary of the Interior Cecil D. Andrus has announced the appointment of Russell E. Dickenson as Director of the National Park Service.

"In his 33 years with the National Park Service, Russ Dickenson has demonstrated all the qualities that are most needed today to lead that outstanding organization.

"He's an 'old pro' who can be expected to inspire confidence among co-workers and those concerned with the future of our great National Park System," said Andrus.

Andrus explained Dickenson's appointment, which does not require Senate confirmation, would be effective as soon as necessary administrative details are completed.

Dickenson will replace William J. Whalen, who is being reassigned to another position within the department.

Dickenson, 57, has been Director of the NPS' Pacific Northwest Region since December 1975. He was Deputy Director of the Service, based in Washington, D.C., from 1973 to 1975, and served as Director of the National Capital Region from 1969 to 1973.

Dickenson began his NPS career as a park ranger at the Grand Canyon. In subsequent field assignments as a ranger, chief ranger and superintendent, he served at Platt National Park, Chiricahua National Monument, Big Bend National Park, Glacier National Park, Grand Teton National Park, Zion National Park and Flaming Gorge National Recreation Area.

He has also served as Chief of the Division of Resource Management and Visitor Protection in the Midwest Regional Office.

In 1967, Dickenson was transferred to the Service's Washington Office as Chief of New Area Studies and Master Planning.

In 1972, he was presented the Distinguished Service Award, the highest honor for an Interior Department employee, for his work in urban park management and for program innovations, including the "Summer in the Parks" program.

Three years later, he received the Cornelius Amory Pugsley Award from the American Scenic and Historic Preservation Society.

Dickenson is a Marine Corps veteran of World War II and a graduate of Arizona State College. He is a native of Melissa, Texas.

Learning Everything About Everything

Every June, the number of park rangers involved in naturalist work in these parks nearly quadruples as our summer seasonal staff comes on duty.

Summer rangers come from varied backgrounds, although the majority are teachers and college students.

Competition is intense for these three-month jobs and many of our seasonal rangers have been with Sequoia and Kings National Parks for several summers.

A number of naturalists have completed more than a decade of summer service in these parks.

Training new naturalists is a challenging and time-consuming process. To put it simply, park visitors expect summer naturalists to know everything about everything.

This year, seasonal naturalist training will occur during the last two weeks of June. During this time, visitor activity may be reduced in certain areas. The summer activity schedule will begin July 28.

In the meantime, enjoy the numerous activities being presented and ponder how long it might take you to learn "everything about everything" in Sequoia and Kings Canyon National Parks.

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FOR YOUR INFORMATION

PROVIDED BY

SEQUOIA AND KINGS CANYON HOSPITALITY SERVICE

SEQUOIA NATIONAL PARK

GIANT FOREST LODGE

Accommodations: Open all year. Facilities include a number of room types ranging from simple rustic housekeeping units without bath to deluxe cabins and motel units with bath. During winter months only with bath units are open. All lodge units are within walking distance of dining facilities and gift shops.

Reservation Office: Open all year 8:00 a.m. to 5:00 p.m. Telephone (209) 565-3373.

Lodge Dining Room and Cocktail Lounge: Open daily from mid-May through October 6th. Breakfast from 7:00 a.m. to 9:30 a.m. Dinner 5:30 p.m. to 8:00 p.m. Meals are served buffet style. Buffet includes an excellent salad bar and choice of entrees. Cocktail lounge hours from 5:30 p.m. to midnight.

Lodge Gift Shop: Open 9:00 a.m. to 8:00 p.m. Offers a selection of souvenir and handicraft items.

GIANT FOREST VILLAGE

Cafeteria: Open all year. Breakfast from 7:00 a.m. to 11:00 a.m. Lunch from 11:30 a.m. to 4:00 p.m. Dinner from 4:30 p.m. to 8:30 p.m. All items priced ala carte. Box lunches are available if requested by 6:00 p.m. the day before required.

Studio Gift Shop: Open daily May 17 through September 21, 10:00 a.m. to 6:00 p.m. Features selected handicrafts from throughout the United States including jewelry, photographs, pottery and wood creations.

Market: Open year round. Summer hours 8:00 a.m. to 8:00 p.m. Offers a varied selection of groceries, ice, camper supplies, fishing equipment and licenses and non-prescription drugs.

Cafeteria Gift Shop: Open all year. Summer hours from 9:00 a.m. to 8:00 p.m. Selected souvenirs, film and publications.

LODGEPOLE

Chevrol Service Station: Located 4 miles north of Giant Forest Village. Summer hours from 8:00 a.m. to 7:00 p.m. Supreme, lowlead and unleaded gasoline. AAA road service and minor auto repair are available.

Lodgepole Market Gift Shop: Located in the center of the Lodgepole campground. Open from mid-May to September 6. Summer hours 8:30 a.m. to 7:00 p.m. Offers a wide selection of groceries, camper supplies, fishing equipment, firewood, ice and gift items.

KINGS CANYON NATIONAL PARK

GRANT GROVE

Accommodations: Open to October 25. Rustic cabins with and without private bath.

Reservations: Between May 1 and October 25 contact Grant Grove, telephone (209) 335-2314. During remainder of the year contact Giant Forest reservation office (209) 565-3373.

Coffee Shop: Open through October 26. Hours from 7:00 a.m. to 8:00 p.m.

Cocktail Lounge: Located in the Coffee Shop building. Open daily from 5:00 p.m. to 11:00 p.m.

Gift Shop: Open daily through October 26. Hours 9:00 a.m. to 7:00 p.m. Features, souvenirs, curios and selected handicrafts.

Market: Open through September 30, 8:00 a.m. to 8:00 p.m. Offers varied selection of groceries, camper supplies, fishing licenses and equipment, ice and magazines.

Chevron Service Station: Open all year. Summer hours 8:00 a.m. to 7:00 p.m. AAA road service and minor auto repair available.

CEDAR GROVE

These facilities are available to the handicapped.

Accommodations: Open mid-May through September. Hotel rooms with queen-size beds, air conditioning and handicapped facilities. Contact Giant Forest for reservations at (209) 565-3373.

Market: Open through September. Hours 8:00 a.m. to 8:00 p.m. Offers a varied selection of groceries, ice, camper supplies, fishing licenses and equipment.

Gift Shop: Offers a selection of souvenir and handicraft items. Hotel guest register at this location.

Snack Bar: Open from 7:00 a.m. to 8:00 p.m. Serves fast food menu for breakfast, lunch and dinner.

Gas Station: Open through September. Chevron unleaded, regular and supreme gasoline offered. AAA road service is from Grant Grove.

Showers and Bike Rentals: Public showers and bicycle rentals are available from the gas station. Hours from 8:00 a.m. to 5:00 p.m.

SEQUOIA NATIONAL FOREST

STONY CREEK

Stony Creek Village: Located adjacent to the Generals Highway midway between Giant Forest and Grant Grove. Facilities include modern motel type rooms, dining room, market, gift shop, and Chevron Service Station. Open May 12 through October 1. Also, facilities include laundry and showers.

BUS SERVICE

SEQUOIA AUTO STAGE

Daily Service, May 17 to September 14, connecting Giant Forest, Stony Creek and Grant Grove with air bus and rail terminals in Fresno.

Westbound:	
Lv. Giant Forest Lodge	10:00 a.m.
Lv. Stony Creek	10:30 a.m.
Lv. Grant Grove Lodge	11:00 a.m.
Ar. Fresno (Air Terminal)	12:20 p.m.
(Amtrak)	12:45 p.m.
(Greyhound)	1:05 p.m.
Eastbound	
Lv. Fresno (Greyhound	2:45 p.m.
(Amtrak)	2:55 p.m.
(Air Terminal)	3:15 p.m.
Ar. Grant Grove	4:55 p.m.
Ar. Stony Creek	5:20 p.m.
Ar. Giant Forest Lodge	6:00 p.m.

GIANT FOREST MOTOR TOUR

Daily Service May 17 through September 13. Two tours daily of the Giant Forest grove of the giant sequoia. Morning tour departs 7:45 a.m.; evening tour departs 6:00 p.m. Includes Sherman Tree, Moro Rock, and Crescent Meadow.

KINGS CANYON MOTOR TOUR

Daily Service May 17 through September 13. One tour daily departing Giant Forest Lodge at 10:00 a.m. Returns to Lodge at 5:30 p.m. Includes General Grant Grove, Kings River Canyon and Cedar Grove.

BUS RESERVATIONS

Bus reservations can be made at the Giant Forest Lodge Reservation Office (209-565-3373) or at other Sequoia and Kings Canyon Hospitality Service hotel desks in Kings Canyon National Park and Sequoia National Forest. Bus tours operation subject to minimum sign up requirement.

ADDITIONAL SERVICES

WILSONIA LODGE: Located within Wilsonia Village, 1 mile from Grant Grove Visitor Center. Accommodations, dining room, general store. Telephone (209) 335-2310.

SILVER CITY STORE AND CABINS: Located on Mineral King Road 4 miles west of Mineral King Ranger Station. Housekeeping cabins, meal service, groceries, limited gasoline service. Telephone Silver City No. 2.

INFORMATION BY PHONE

Recorded current information message
(209) 565-3351 (Park Headquarters)
(415) 556-6030 (San Francisco)
(213) 688-2902 (Los Angeles)

EMERGENCY NUMBERS

Sequoia National Park (Ash Mountain)
565-3341
If no answer call 565-3326
Fire only 565-3444

Sequoia National Park (Giant Forest-Lodgepole)
565-3361
If no answer call 565-3455
Fire only 565-3618

Kings Canyon National Park (Grant Grove)
335-2511
If no answer call 335-2324
Fire only 335-2515

Kings Canyon National Park (Cedar Grove)
Cedar Grove No. 6
If no answer Cedar Grove No. 7 or No. 8

Sequoia National Forest
Hume Lake District Ranger Office
336-2881

LIBRARY

The Tulare County Free Library maintains circulating branches at the Lodgepole Visitor Center in Sequoia National Park and at the Grant Grove Visitor Center in Kings Canyon National Park. Employees and visitors alike are welcome to borrow books. Check locally for hours.

U.S. POSTAL SERVICE

U.S. Post Offices are located at Lodgepole (Sequoia National Park, CA. 93262) and at Grant Grove (Kings Canyon National Park, CA. 93633). The Kings Canyon Post Office is only open during the summer.

CHURCH SERVICES

CHURCH OF THE SEQUOIAS — Interdenominational

	Sundays
Giant Forest Lodge Fire Circle	9:30 a.m.
Giant Forest Beetle Rock	6:30 p.m.
Lodgepole Amphitheater	9:30 a.m. 6:30 p.m.
Dorst Amphitheater	9:30 a.m.
Stony Creek Picnic Area	9:30 a.m.
Cedar Grove Amphitheater	9:30 a.m. 6:30 p.m.
Grant Grove Amphitheater	10:30 a.m. 6:30 p.m.
Silver City — Cabin Area	10:30 a.m.

EPISCOPAL

Camp San Joaquin	8:00 a.m.
(2 miles north of Stony Creek)	11:00 a.m.

SEVENTH DAY ADVENTIST

Grant Grove Amphitheater	
Sabbath School (Saturday)	10:00 a.m.
Worship (Saturday)	11:15 a.m.

CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS

Giant Forest Lodge Fire Circle	
Priesthood Meeting	12:30 p.m.
Sacrament Meeting	1:45 p.m.

CASH FOR CANS

A beverage container refund program is being sponsored this summer by Sequoia and Kings Canyon Hospitality Service, the park's concessioner host.

The concessioner will pay 5 cents for containers specially marked with their symbol. You can help by returning the containers to the markets at Giant Forest, Lodgepole, Grant Grove, Cedar Grove or the Stony Creek Village in Sequoia National Forest.

These recycle centers will be open during normal store hours to serve you.

This is part of a nationwide program to achieve a reduction in solid waste and litter, as well as to conserve production materials. Usable glass and metals, which require large amounts of energy to manufacture initially, can be recycled with much less energy requirements.

PACK STATIONS

SEQUOIA NATIONAL PARK:

WOLVERTON CORRALS: Day rides; overnight trips by arrangement. Telephone 565-3445.

MINERAL KING PACK STATION: Day rides; overnight trips by arrangement. Telephone Mineral King No. 4.

KINGS CANYON NATIONAL PARK

KINGS CANYON PARK STATION: Located at Cedar Grove. Day rides; overnight trips by arrangement. Telephone Cedar Grove No. 1.

GRANT GROVE STABLES: Day rides only. Telephone 335-2374.

THE SEQUOIA BARK is provided as a service to Park Visitors. All comments and suggestions are welcome.
Sequoia Natural History Association
Ash Mountain Box 10
Three Rivers, CA 93271

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